

ABSTRACT

A method of managing at least one client computer program in a managed application environment can include receiving a request from at least one of a plurality of client computer programs to begin a timer. The timer can correspond to an identified task of the client computer program which has been identified as a time-out susceptible task, and which is executing within a particular thread of execution of the client computer program. The timer corresponding to the request and the time-out susceptible task can be selectively started in a separate thread of execution. The identified task can be timed. If the timer expires, a recovery action can be performed corresponding to the time-out susceptible task.

10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
340
350
360
370
380
390
400
410
420
430
440
450
460
470
480
490
500
510
520
530
540
550
560
570
580
590
600
610
620
630
640
650
660
670
680
690
700
710
720
730
740
750
760
770
780
790
800
810
820
830
840
850
860
870
880
890
900
910
920
930
940
950
960
970
980
990
1000